

2020/2021 ENERGY STAR® Emerging Technology Award Winning Advanced Adaptive Compressor Models

The ENERGY STAR® Emerging Technology Award (ETA) is given to innovative technologies that meet rigorous performance criteria to reduce energy use and lower greenhouse gas emissions. A description and the criteria for the 2020/2021 ENERGY STAR ETA for advanced adaptive compressors can be found [here](#).

Brand	Model Number	Product Class	Total Volume (ft ³)	Low-GWP Refrigerant Type	Low-GWP Foam Type	% Better than Federal Standard	OR*	% Better than Compressor in Fixed Speed (Conventional) Setting	Markets
Beko	BFBF2414	5 - Refrigerator-freezers - automatic defrost with bottom-mounted freezer without an automatic ice maker	11.4	R-600a	Cyclopentane	34.87%		-	United States, Canada
Beko	BFBF2412	5 - Refrigerator-freezers - automatic defrost with bottom-mounted freezer without an automatic ice maker	10.7	R-600a	Cyclopentane	32.37%		-	United States, Canada
Beko	BUFR2715WH	9I - Upright freezers with automatic defrost with an automatic icemaker	14.3	R-600a	Cyclopentane	31.00%		-	United States, Canada
Beko	BUFR2715MG	9I - Upright freezers with automatic defrost with an automatic icemaker	14.3	R-600a	Cyclopentane	31.00%		-	United States, Canada
Blomberg	BRFB1045	5 - Refrigerator-freezers - automatic defrost with bottom-mounted freezer without an automatic ice maker	11.4	R-600a	Cyclopentane	34.87%		-	United States, Canada
Blomberg	BRFB1044	5 - Refrigerator-freezers - automatic defrost with bottom-mounted freezer without an automatic ice maker	10.7	R-600a	Cyclopentane	32.37%		-	United States, Canada
LG	LFXS26596	5A - Refrigerator-freezer - automatic defrost with bottom-mounted freezer with through-the-door ice service	26.0	R-600a	Cyclopentane	-		25.1%	United States, Canada
LG	LRMVS3006	5A - Refrigerator-freezer - automatic defrost with bottom-mounted freezer with through-the-door ice service	29.5	R-600a	Cyclopentane	-		30.0%	United States, Canada
Samsung	RF27T5201**	5A - Refrigerator-freezers - automatic defrost with bottom-mounted freezer with through-the-door ice service	27.0	R-600a	Cyclopentane	-		25.2%	United States, Canada
Samsung	RF27T5241**	5A - Refrigerator-freezers - automatic defrost with bottom-mounted freezer with through-the-door ice service	27.0	R-600a	Cyclopentane	-		25.0%	United States, Canada
Samsung	RF27T5501**	5A - Refrigerator-freezers - automatic defrost with bottom-mounted freezer with through-the-door ice service	26.5	R-600a	Cyclopentane	-		25.8%	United States, Canada
Samsung	RF28T5021**	5I - Refrigerator-freezers - automatic defrost with bottom-mounted freezer with an automatic icemaker without through-the-door ice service	28.2	R-600a	Cyclopentane	-		27.6%	United States, Canada
Samsung	RF28T5101**	5I - Refrigerator-freezers - automatic defrost with bottom-mounted freezer with an automatic icemaker without through-the-door ice service	28.2	R-600a	Cyclopentane	-		27.6%	United States, Canada
Samsung	RF28T5001**	5I - Refrigerator-freezers - automatic defrost with bottom-mounted freezer with an automatic icemaker without through-the-door ice service	28.2	R-600a	Cyclopentane	-		29.1%	United States, Canada
Samsung	RF28T5F01**	5I - Refrigerator-freezers - automatic defrost with bottom-mounted freezer with an automatic icemaker without through-the-door ice service	27.7	R-600a	Cyclopentane	-		27.0%	United States, Canada
Samsung	RS27T5561**	7 - Refrigerator-freezers - automatic defrost with side-mounted freezer with through-the-door ice service	26.7	R-600a	Cyclopentane	-		25.3%	United States, Canada
Samsung	RS22T5201**	7 - Refrigerator-freezers - automatic defrost with side-mounted freezer with through-the-door ice service	22.0	R-600a	Cyclopentane	-		26.0%	United States, Canada
Samsung	RS22T5561**	7 - Refrigerator-freezers - automatic defrost with side-mounted freezer with through-the-door ice service	21.5	R-600a	Cyclopentane	-		25.6%	United States, Canada
Samsung	RZ11M7074**	9 - Upright freezers with automatic defrost without an automatic icemaker	11.4	R-600a	Cyclopentane	-		25.2%	United States

* Model have to meet criteria in one of two options:

1. Outperform the measured Annual Energy Consumption for the Federal Minimum Standard by 30% (model must have a variable speed compressor with control systems capable of capacity modulation), or
2. With the compressor in the adaptive mode, outperform the Annual Energy Consumption by 25% compared to when the compressor is in a fixed-speed mode (the refrigerator shall be shipped with the compressor in the adaptive mode)

Note: All models are covered under a minimum 1 year parts and labor warranty.